

OETech™ 4 SPECIFICATION DATA SHEET

Description

OETech4 is a low VOC one-component polyurethane sealant containing isocyanates and curing by the action of air moisture. It forms a high modulus and flexible joint of low conductivity.

Areas of Application

OETech4 is used for the auto glass replacement bonding of cars made in aluminum or of cars with radio antennas or GPS integrated in the windshield.

Technical Data

Appearance	Color	Density at 68 °F	Conventional Solids Content (EN 827)	Sagging (ISO 7390)	Application Temperature	Working Time at 73.4 °F and 50% RH
Thixotropic paste	Black	Ca 1.21	> 98%	None	41 to 95 °F	15 ± 5 min

Cure time at 73.4 °F and 50% RH	Final Shore A hardness (ISO 868 - 3 secondes)	Modulus at 100% (ISO 8339)	Elongation at break (ISO 8339)	Tensile Strength	Lap Shear (Ford SAE J 1529)
> 4 mm/24 h	> 70	Ca 500 psi	> 300%	> 850 psi	> 350 psi

Modulus G10 (DIN 54451)	Temperature resistance	Specific data
> 4 mm/24 h	-40 to +194 °F	Conductivity (DIN 53482) : > 100 millions ohm.cm

Cure Rates (70° F at 50% RH)

Drive Away Time With Airbags						
%HR	15°F	25°F	36°F	55°F	72°F	95°F
>85%	3 Hours	2 Hours	2 Hours	2 Hours	2 Hours	2 Hours
>65%	3 Hours	3 Hours	2 Hours	2 Hours	2 Hours	2 Hours
>45%	4 Hours	3 Hours	3 Hours	3 Hours	2 Hours	2 Hours
>25%	4 Hours	4 Hours	3 Hours	3 Hours	3 Hours	3 Hours
>0%	4 Hours	4 Hours	4 Hours	3 Hours	3 Hours	3 Hours

Drive Away Time Without Airbags						
	15°F	25°F	36°F	55°F	72°F	95°F
>85%	2 Hours	1.5 Hour	1.5 Hour	1.5 Hour	1.5 Hour	1.5 Hour
>65%	2 Hours	2 Hours	1.5 Hour	1.5 Hour	1.5 Hour	1.5 Hour
>45%	3 Hours	2 Hours	2 Hours	2 Hours	1.5 Hour	1.5 Hour
>25%	3 Hours	3 Hours	2 Hours	2 Hours	2 Hours	2 Hours
>0%	3 Hours	3 Hours	3 Hours	2 Hours	2 Hours	2 Hours

Instructions for Use

Substrates preparation :

The substrates to be assembled must be dry, dust free and not have any traces of grease or other contaminants that could adversely affect the bonding performance. The glass is first treated with the cleaner OETechAC and after primed with OETechCP. When using cleaner or primer, keep away from all sources of ignition and carefully follow the safety and the handling instructions given by the manufacturer or supplier.

Bonding :

When the primer is completely dry, OETech4 is applied with a power or manual high-ratio caulking gun and pressed (decked) to the second substrate before the end of the tack free time. Take care that this time (which decreases when temperature increases) is not exceeded. Trim the V-nozzle to the correct height by placing the tip on the pinchweld and trimming the top of the V to match the height of the roofline. Do not apply at temperature under 41°. The substrates must be warmed to the correct application temperature. In cold weather, store the cartridges at >68°F before use.

Cleaning :

Tools can be cleaned with xylene, MEK or acetone before curing. After curing, mechanical cleaning is required.

Storage and Shelf Life

12 months in hermetically sealed original cartridges or sausages between 41 and 77 °F

Packaging

310 ml aluminum cartridges

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Safety

Harmful. Read material safety data sheet before use.

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired.

Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.

See also material safety data sheet.